

# Si-300-6S Specifications

Injection	Screw diameter	in(mm)	1.96(50)	2.16(55)	2.36(60)	2.16(55)	2.36(60)	2.67(68)	
	Injection stroke	in	7.87	8.66	8.66	8.66	10.62	10.62	
	Theoretical injection capacity	in <sup>3</sup>	23.98	31.85	37.95	31.85	46.56	59.80	
	Injection capacity (PS)	oz	13.16	17.49	20.84	17.49	25.56	32.83	
	Standard	Injection unit	—	—			—		
		Injection rate	in <sup>3</sup> /s	—			—		
		Max. injection speed	in/s	—			—		
		Max. injection pressure	psi	—			—		
		Max. injection holding pressure	psi	—			—		
	High-pressure	Injection unit	—	J370EU			J450HEU		
		Injection rate	in <sup>3</sup> /s	23.98	28.98	34.47	28.98	34.47	44.30
		Max. injection speed	in/s	7.87			7.87		
		Max. injection pressure	psi	34090	29010	24220	34230	29160	22770
		Max. injection holding pressure	psi	31330	25670	21320	29880	25670	20020
	High-speed	Injection unit	—	—			JH600EU		
		Injection rate	in <sup>3</sup> /s	—			43.50	51.74	66.51
		Max. injection speed	in/s	—			11.81		
		Max. injection pressure	psi	—			33510	27850	22050
		Max. injection holding pressure	psi	—			28430	24220	18570
	Ultrahigh-speed	Injection unit	—	—			—		
Injection rate		in <sup>3</sup> /s	—			—			
Max. injection speed		in/s	—			—			
Max. injection pressure		psi	—			—			
Max. injection holding pressure		psi	—			—			
Recovery rate (PS)	oz/s	1.95	2.22	2.37	2.22	2.37	3.29		
Screw revolution speed	min <sup>-1</sup>	300			300				
Heater capacity	kW	13.50	16.70	19.50	16.70	19.50	24.80		
Nozzle pressing force	U.S ton	4.4			4.4				
Clamping	Clamping system	—	Double toggle						
	Clamping force	U.S ton	300						
	Clamping stroke	in	23.62						
	Min. mold height	in	11.81						
	Max. mold height	in	29.52						
	Tie bar clearance (H×V)	in	28.74×28.74						
	Die plate size (H×V)	in	37.00×37.00						
	Ejector force	U.S ton	6.73						
	Ejector stroke	in	5.90						
Others	Mold height motor output	kW	0.4						
	Nozzle touch motor output	kW	0.4						
	Machine dimension <L> ( ):JH600EU	in	274.56	281.41	287.08	281.41 (287.71)	287.06 (293.38)	293.7 (300)	
	Machine dimensions <W×H>	in	66.88×81.06						
	Power source	—	Three-phase AC200V/200, 230V±10% 50Hz/60Hz ※2						
	Main breaker capacity 200V Class【400V Class ※1】	A	225【125】			J450HEU:225【125】 JH600EU:300【200】			
	Total electric capacity	kVA	57			J450HEU:61 JH600EU:87			
	Cable size 200V Class 【400V Class ※1】	in <sup>2</sup>	0.15【0.05】			J450HEU:0.15【0.05】 JH600EU:0.23【0.09】			
	Machine weight	U.S ton	14.9			15.1			

## NOTES

- The figures are subject to change without any legal obligation on the part of the manufacture.
- The maximum injecting pressure and the maximum holding pressure are attainable maximum set values. These values may be limited by molding conditions and cycle time.
- The injection rate and the maximum injecting speed are calculated values. These values may be limited by set injecting pressures.
- When a screw with wide diameter is used, some resins may not be accepted.
- When the machine is attached with an option, the capacity of the breaker may be changed.
- Figures in [ ] are optional.
- Three insulated cables with a rated temperature of 140°F are required.
- The cable size is calculated on the condition that ambient temperature is 86°F and metallic conduit work is made.
- The total electric capacity is calculated based on the maximum performance of the drive unit.
- The operating conditions of the injection unit may reduce the total electric capacity.

※1 A transformer (option) is necessary on the machine side.

※2 Use the machine with the maximum voltage of 230V in 60Hz.

It is out of the warranty scope if the electric system is damaged due to the power exceeding above-stated voltage at any time.

■ The highlighted specifications are recommended injection units.

